Agrident APR350/380/500 Manual

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The object of this document is to explain the link and operation of the Agrident APR500 and Cattledata. It is divided into three sections, each explained in a chapter.

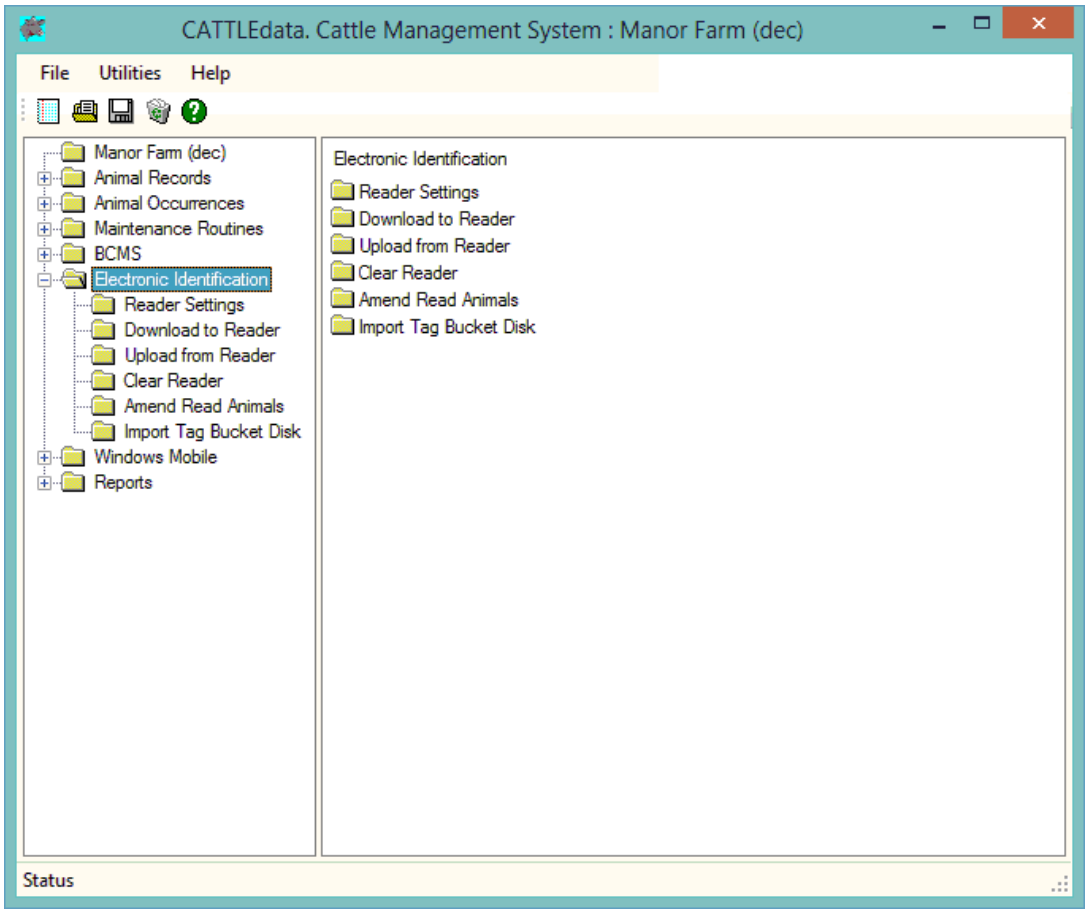
1. Cattledata Setup
2. APR Classic Mode
3. APR Task Mode

It is intended to be a guide to the main procedures you may wish to use with Cattledata.

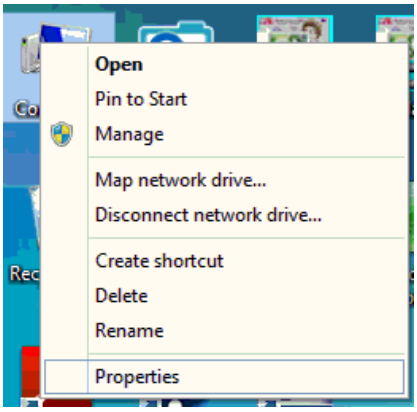
For detailed operation of the APR500 reader please use in conjunction with the Agrident manuals.

These are available at www.agrident.com Go to Support and Software downloads.

When Cattledata has the EID Module enabled the menu options below become available. These enable the communication with a range of readers.



The APR500 communicates through a com port. This com port has be identified and set in Cattledata. To find the com port:-



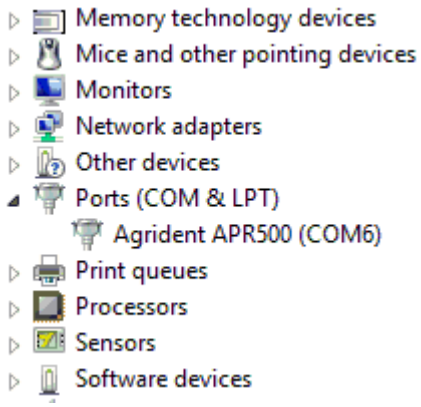
Right Click on the Computer Icon on the screen or click on the Start button and right click on the Computer Icon.

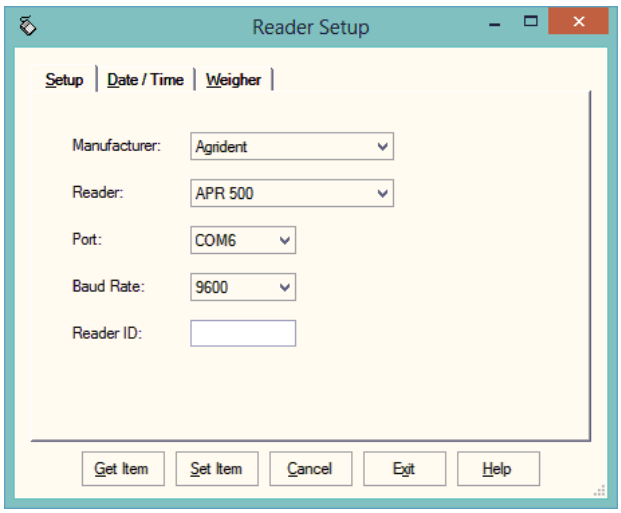
Click Properties.

Click Device Manager

Click on Ports

Note the Com No. of the APR500





Set Manufacturer as Agrident.

Set Reader. For **Classic Mode,** to use **Hotkeys, Speed Mode and Race Mode** set as APR350 or APR380

For **Task Mode** set as APR500

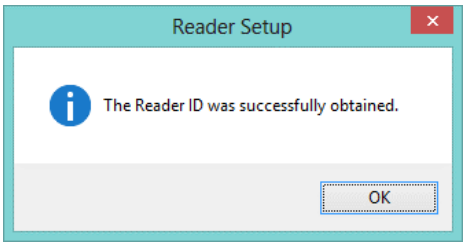
Port. Select the port from the drop-down.

Baud Rate Set as 9600

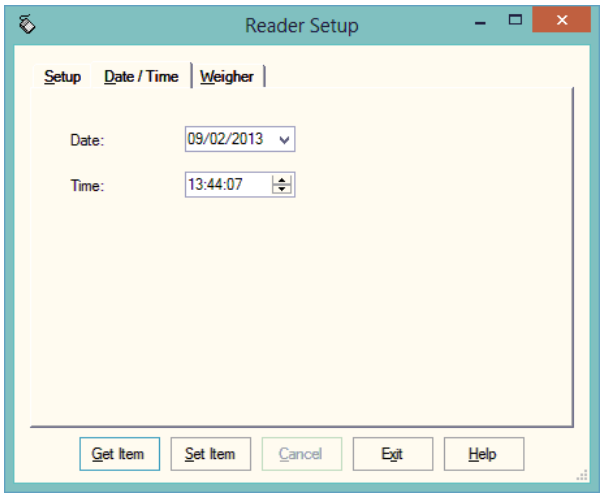
Reader ID Not available for the Agrident APR

Click Get Item to check the connection.

The screen on the right indicates a successful connection.



Use Date/Time to Check and Set the Date and time on the APR

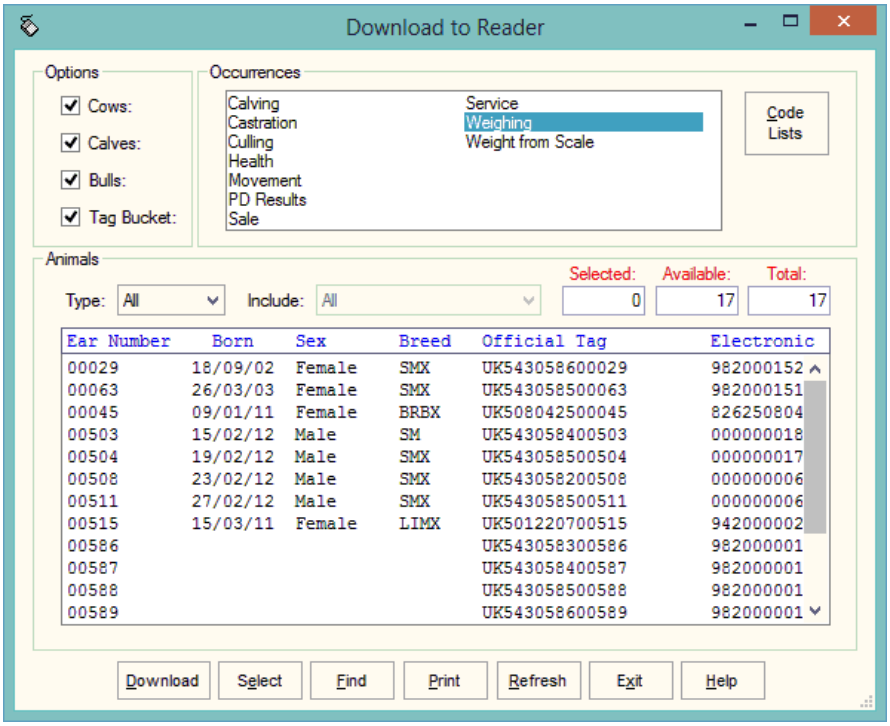


Once the settings are complete you can use Download to Reader to load the APR.

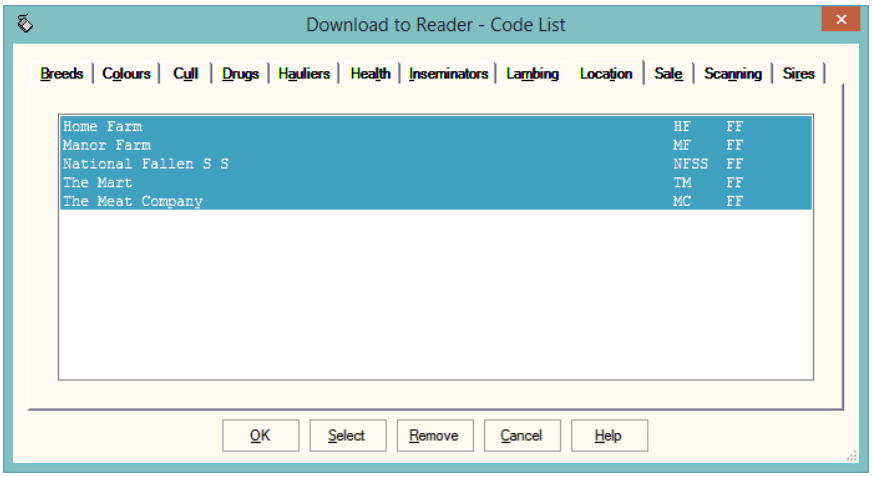
Classic Mode uses the simple system of recording a single action or a single action plus a quantity against a tag. This is transferred back to Cattledata and used in occurrences to update the animal records.

2.1 Download to Reader

In Reader Settings set the reader as APR350.



The only option in the occurrences that you may want to use is Weighing. All the other options should be selected from the code lists.



Select the actions you wish to use from the options. The selected options are remembered.

Click Ok

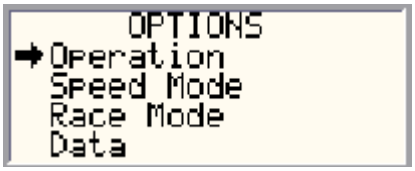
Select the Animals to be used in options. Individual groups of animals can be selected under Type.

Click Download to send your selection to the Reader.

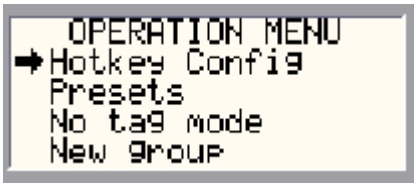
2.2 Hot Key Setup

Two hotkeys are available on the APR500, and . These keys trigger a tag read and can be set to record in various ways.

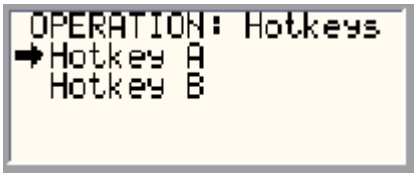
Press



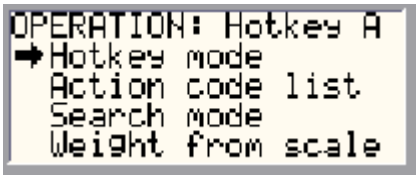
Select Operation and press



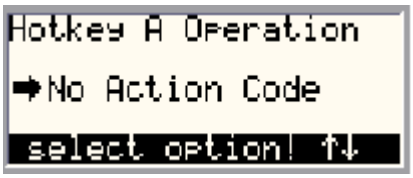
Select Hotkey Config and press



Select the Hotkey to configure and press



Select the Hotkey mode and press



Select the action option required and press

The options are: (Please refer to Agrident manual for more detailed information)

No Action Code – Simply records the number.

AC Ask – When a tag is read you will get the list of actions which you can select from.

AC Ask Plus – as for AC Ask but a quantity can be added to each read.

AC Auto – When a tag is read the action selected from the action code list is used. The action is selected from the Action Code List after selecting this option.

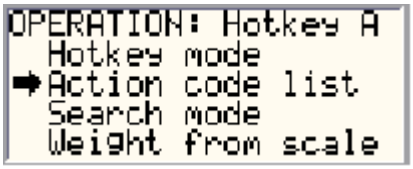
AC Auto Plus – as for AC Auto but you enter a numeric value also.

Assign Ask – This allows you set the Alias for the read tag. It can be an alpha numeric format

Assign Ask Save – as Assign Ask but it auto saves.

When Mode has been selected press

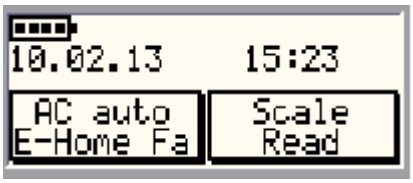
If AC Auto or AC Auto Plus has been selected:



Select Action Code List and press

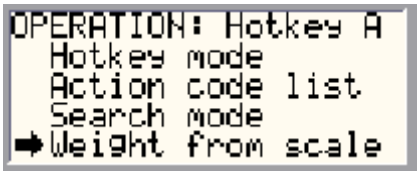
Select the action code you want and press

Press to return out of the menus.



Hotkey A is now set to record Home Farm Movement on each read.

Scale Read Option

Hotkey B has been set to Weight from Scale in the Hotkey Operation 

This is used to record the weight from a connected Weighhead.

Press

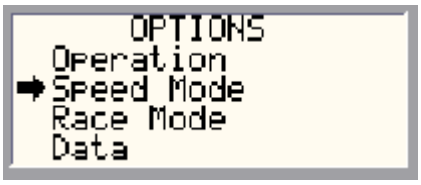
Read the tag. When the weight settles on the scale press . The weight will be recorded on the reader.

Press to accept the weight.

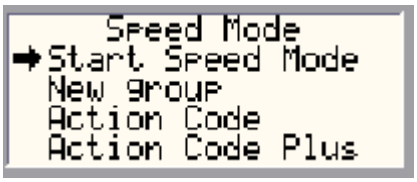
2.3 Speed Mode Setup

Speed Mode is used to record tags and actions quickly. Instead of pressing a Hotkey for each read it uses a permanent read mode to record tags.

Press



Select Speed Mode and press

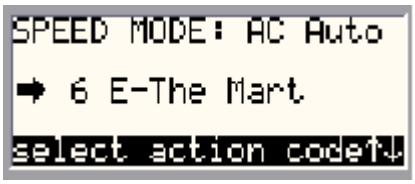


Before Starting Speed Mode some options are available.

New Group will start a new Batch on the reader.

You can enter a particular name if required or simply use a number.

AC Auto – When a tag is read the action selected from the action code list is used.

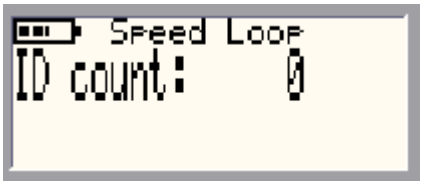


Select the occurrence required and press

AC Auto Plus – adds a value to the above action.

Enter the value to be added to the value and press

Select Start Speed Mode to begin reading.



Speed Loop is now active. The Reader is in constant read mode and will record each tag contacted.

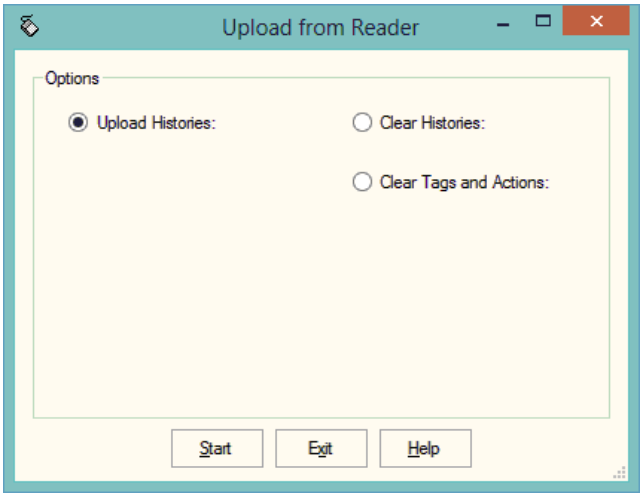
To stop/pause the Speed Loop press twice.

To restart the Speed Loop press

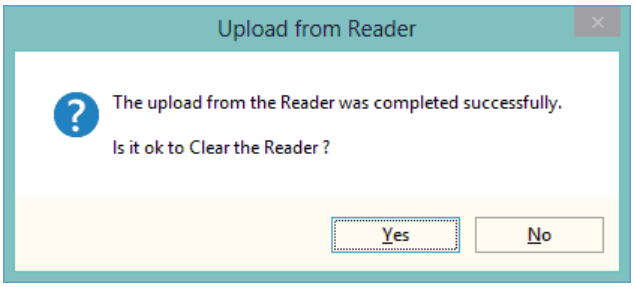
To stop the Speed Loop

2.4 Upload from Reader

This transfers the information recorded on the APR500 back to the PC.



1 Upload Histories - Click Start to transfer data to records.



If you wish to clear the recorded data from the reader click Yes.

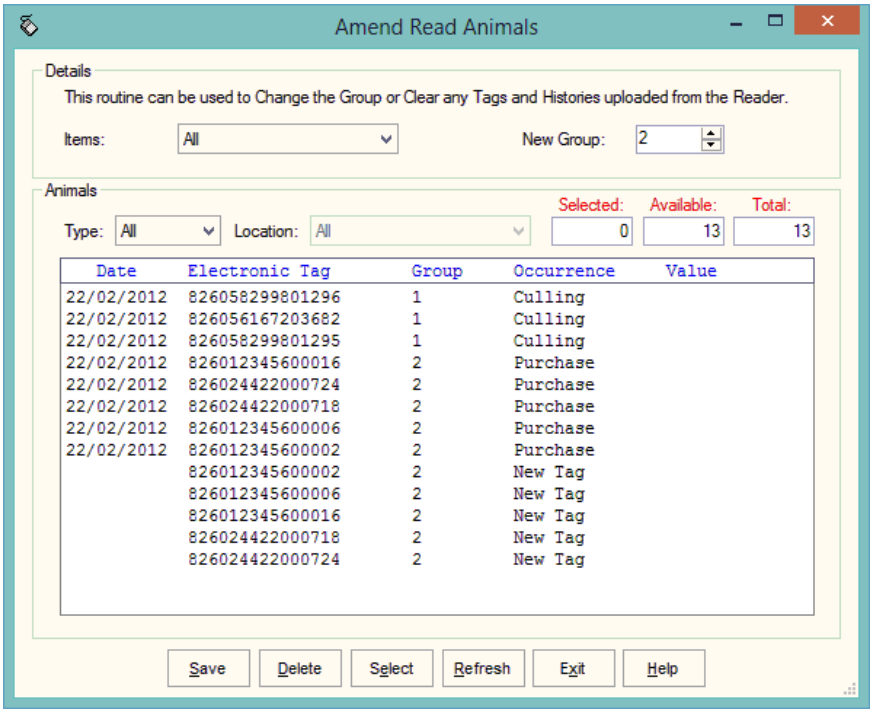
2 Clear Histories – Will clear the recorded data from the reader. Take care that you have transferred all the data you need before doing this.

3 Clear Tags and Actions – Will Clear any animal records and action lists from the reader. Download will need to be used to repopulate the reader.

The recordings are imported into a holding section of the program. They stay in this holding section until they are used in an occurrence routine.

To check or amend the data in the holding section go to Amend Read Animals.

Imported reader data can be checked here.



The recordings are shown in the order in which they were read.

The Group separates the lots as read on the reader.

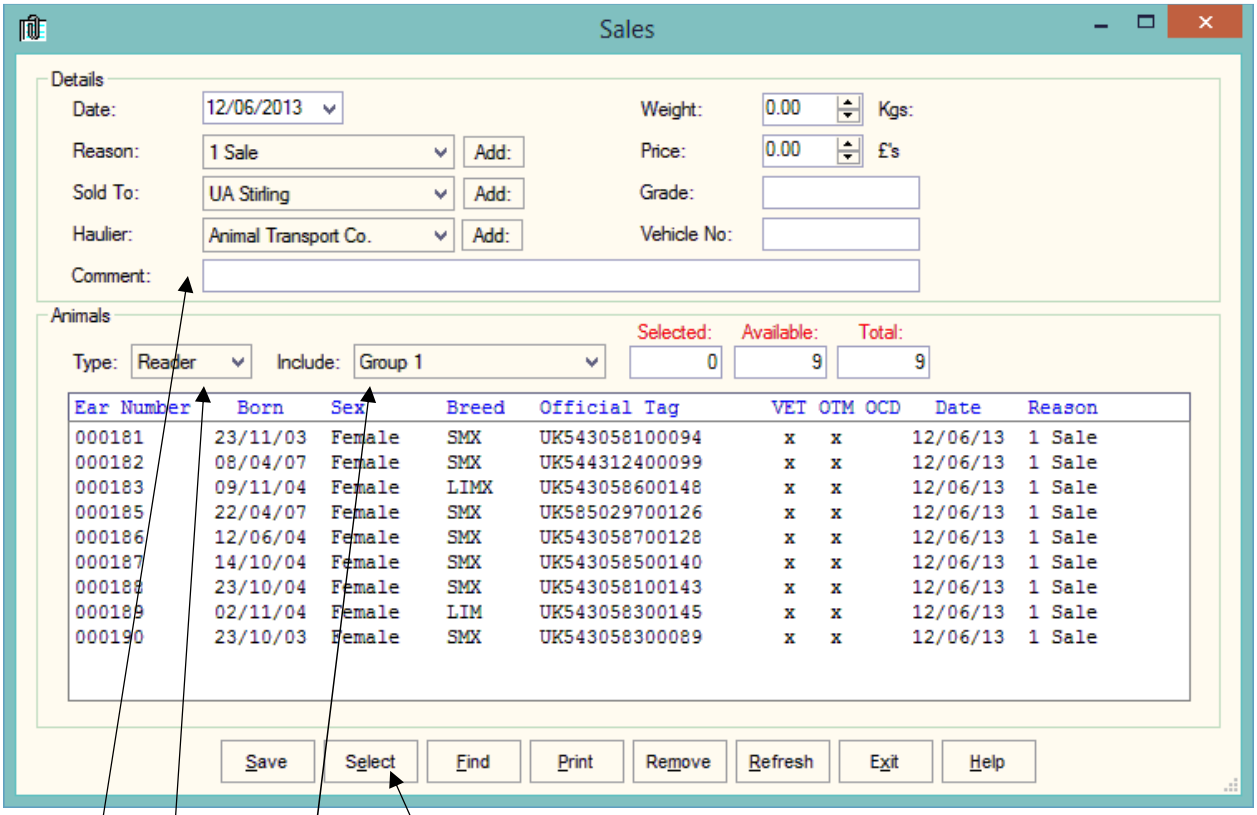
Groups can be changed by selecting the required animals, changing the number in New Group and saving.

New Tag - Tags which are not recognised as already in the system are labelled as “New Tag”. Regardless of which action has been recorded against them they will only be available in the Purchase routines.

Any errors or unwanted readings can be highlighted and deleted.

Numbers are removed when they are used in the relevant occurrence.

Occurrences recorded on the reader should be imported into the records in the appropriate occurrence routine.



Go into the required occurrence.

Set the Details for this batch of tags.

Select Reader in Type. In Include you can select a Group from the reader.

The tags will be shown in the screen. Click Select to select all the animals. Click on any animals you don't want to record.

Click Save and the records will be updated.

Set Reader as APR500 to load Task Mode

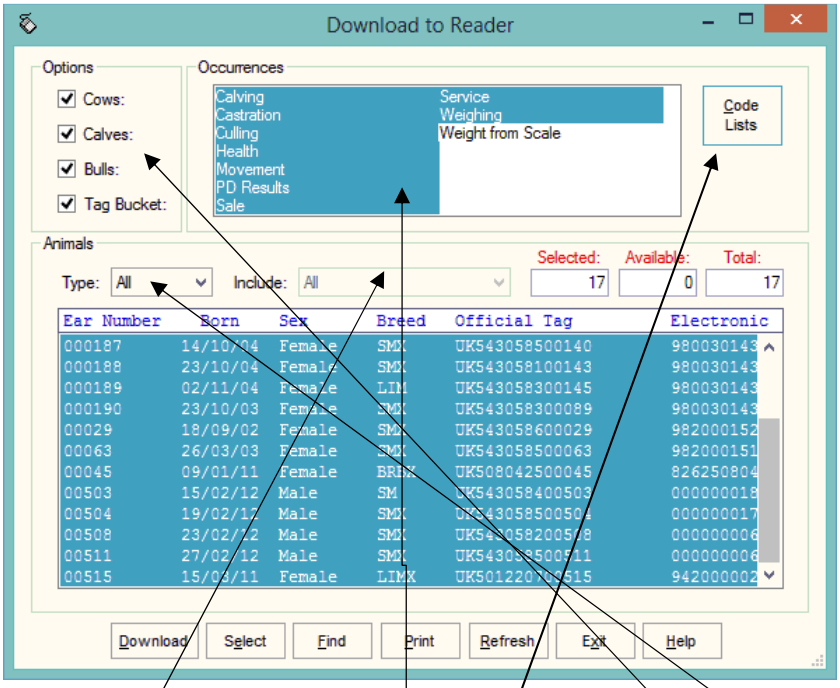
Task Mode uses pre-set routines to capture data. These routines are written by Farmdata.

Up to 9 “Tasks” can be loaded onto the reader at any one time. Cattledata currently has 10 Tasks available.

Each task requires several data entries to be made. These can be manual entries, selections from lists or data captured by the reader. These entries make up the complete information required to make a full entry of an occurrence in Cattledata. On upload from the reader the individual animals’ records are updated without any further user input.

3.1 Download to Reader

Select the Animals, Occurrences (Tasks) and Code (Selection) Lists to put on the reader.



Animal Selection

The animal records you are going to work with should be selected under Options.

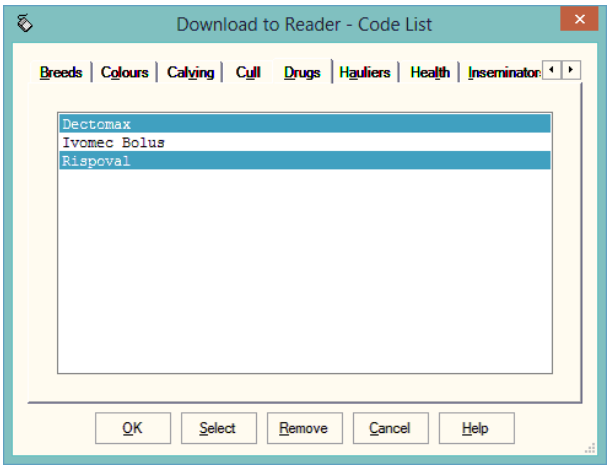
If you want to select a particular group or location of animals select Group or Location in Type and then the group or location in Include.

The Tasks you require should be highlighted in Occurrences.

The required Selection Lists should be selected in Code Lists as described below.

Code List Selection

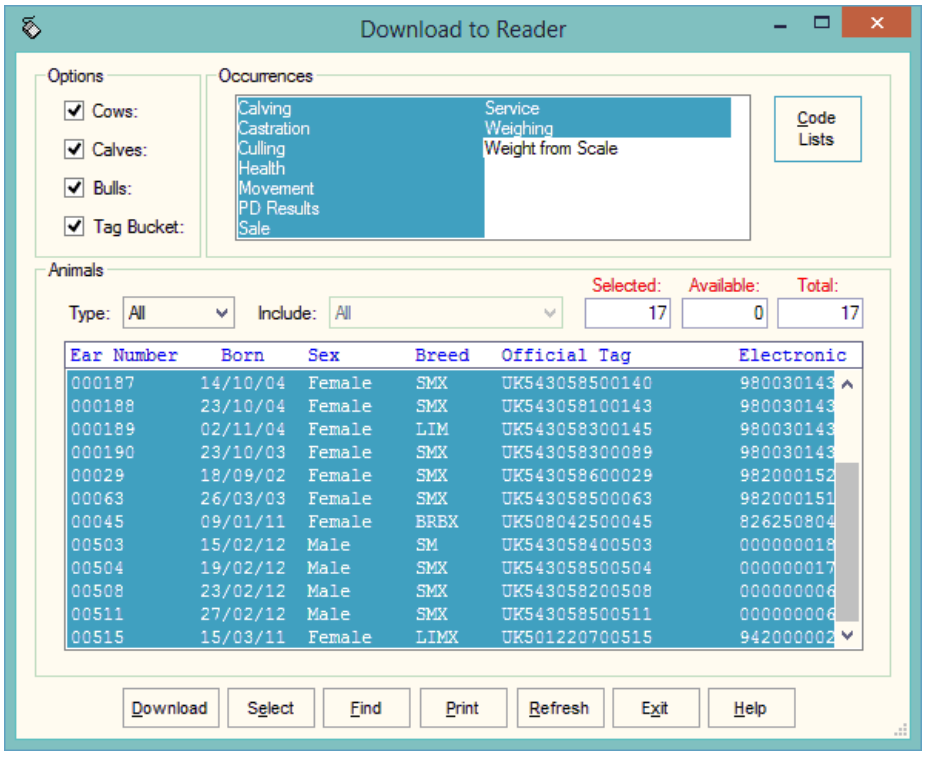
Many of the Tasks require entries to be made from selection lists in cattledata. The Health Treatment Task obviously require Drugs and Health options.



For each required list click into the relevant tab and highlight the entries you want to be able to select from on the reader.

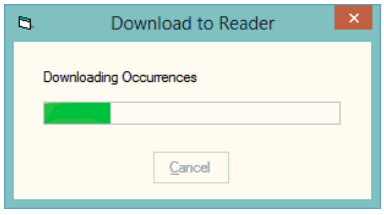
The Lists which are required for each task is detailed in the relevant sections later in the manual.

The selections are maintained by the program and can be amended as required.



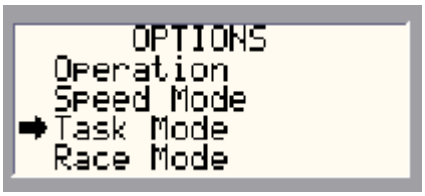
Once your selections have been made, Click **Download**.

When Download is complete you may disconnect the reader.

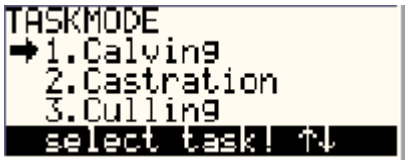


To use a Task on the APR500

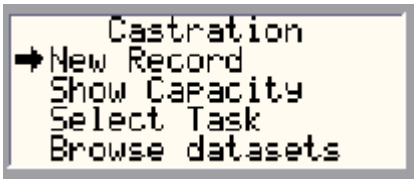
Select

Scroll down to Task Mode 

and press

Scroll to the task required 

and press

Start recording by selecting 

and press

Other options on this screen

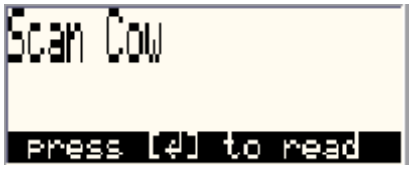
Show Capacity: Gives an indication of the number of records the machine can record.

Select Task: Returns to the screen with the list of available tasks.

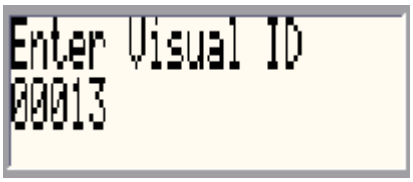
Browse Datasets: Shows the list of records already created in task mode.

Where you know the number of the Task on your list you can access it directly by holding down that Number on the keypad. On the above selection of tasks Castration would be No.2 on the list. Hold Down Key 2 and you will go directly into the Castration Task.

Selection Lists required are Sire, Calving.

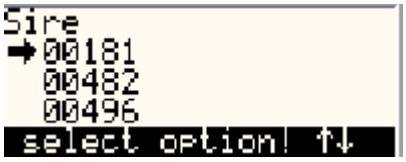


Press the and read the cow's tag. If the tag cannot be read, wait for the read to finish. Press the when it says reading failed. Press the and when it says Leave Empty press .

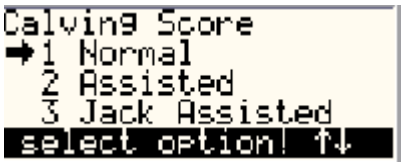


You can now enter the management/ear no. of the cow. Press the

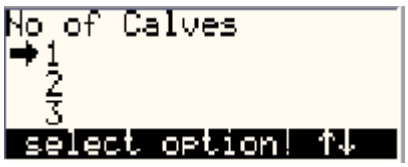
Enter the Date of Birth. Today's date can be changed. Press the



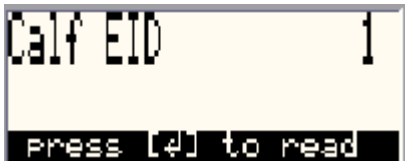
Select the sire using the keypad and press



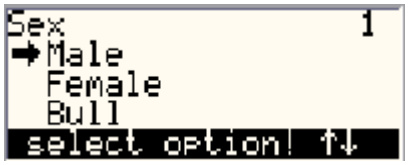
Select the calving score using the keypad and press



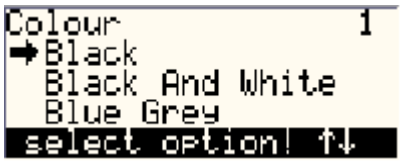
Select the number of calves born using the keypad and press



Press and scan the first calf's EID.



Select the first calf's sex using the keypad and press



Enter the first calf's colour using the keypad and press

Enter the first calf's birth weight using the keypad and press

Repeat the last four stages for each calf.

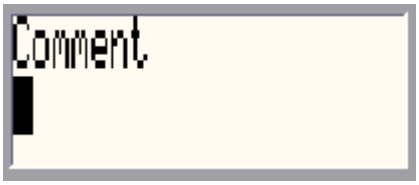
After the last calf's detail is entered

Press to accept the lambing recording. Press to cancel the calving.

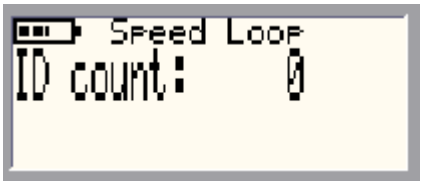
3.3 Castration

No Selection Lists are required.

Today's date is entered, change this if necessary and press



Enter an comment required using the keypad and press

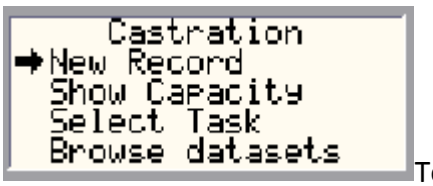


Speed Loop is now active. The Reader is in constant read mode and will record each tag contacted.

To stop/pause the Speed Loop press twice.

To restart the Speed Loop press

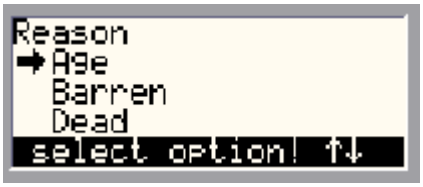
To stop the Speed Loop



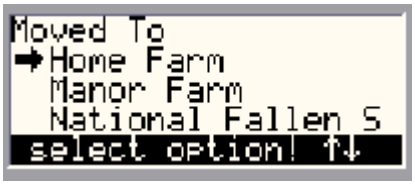
To leave task mode press twice.

Selection Lists required are Cull, Location and Haulier.

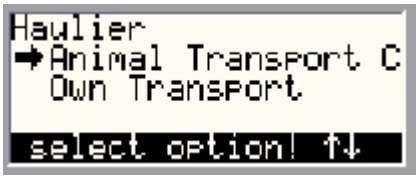
Today's date is entered, change this if necessary and press



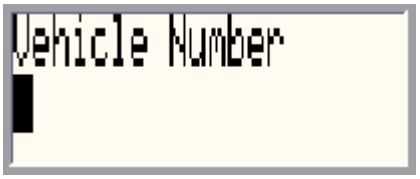
Select the reason for culling using the keypad and press



Select where moving to using the keypad and press

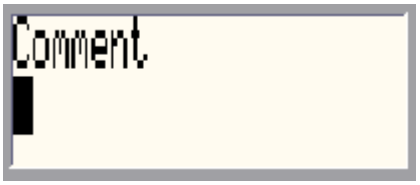


Select the haulier using the keypad and press

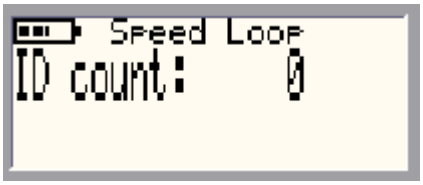


Enter the Vehicle Number using the keypad and press

Enter the price using the keypad and press



Enter an comment required using the keypad and press



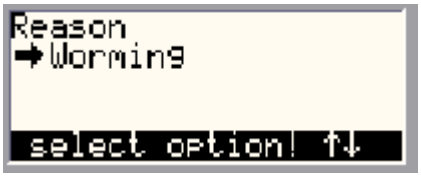
Speed Loop is now active. The Reader is in constant read mode and will record each tag contacted.

To stop/pause the Speed Loop press twice.

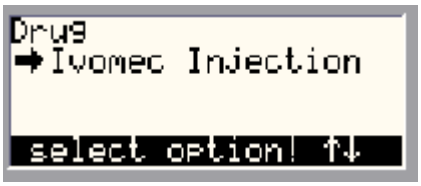
3.5 Health

Selection Lists required are Health and Drug.

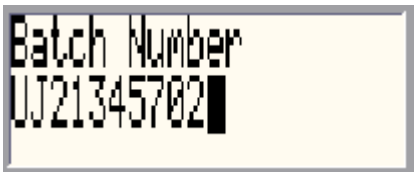
Today's date is entered, change this if necessary and press



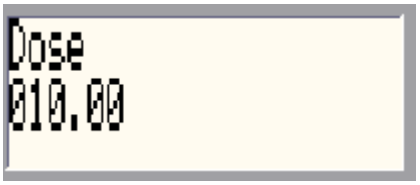
Select the reason for the treatment using the keypad and press



Select the drug being administered using the keypad and press

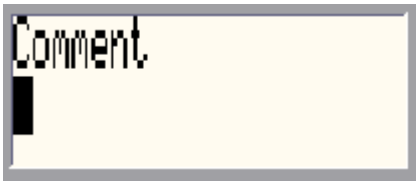


Enter the Batch Number using the keypad and press

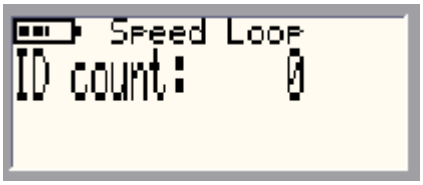


Enter the dosage per animal using the keypad and press

Enter the name of the operator using the keypad and press



Enter an comment required using the keypad and press

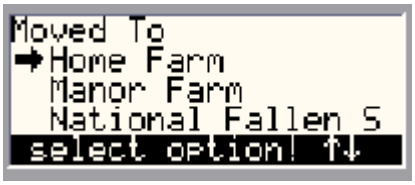


Speed Loop is now active. The Reader is in constant read mode and will record each tag contacted.

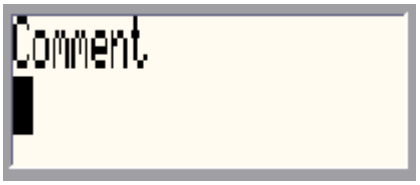
To stop/pause the Speed Loop press twice.

Selection List required is Scanning.

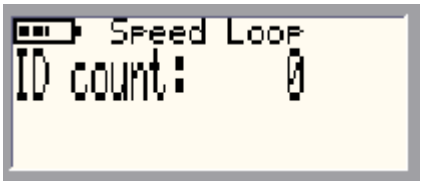
Today's date is entered, change this if necessary and press



Select where moving to using the keypad and press



Enter an comment required using the keypad and press



Speed Loop is now active. The Reader is in constant read mode and will record each tag contacted.

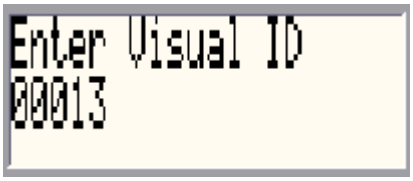
To stop/pause the Speed Loop press twice.

3.7 PD Results

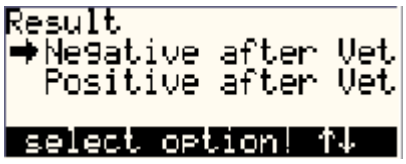
Selection List required is PD Results.

Today's date is entered, change this if necessary and press

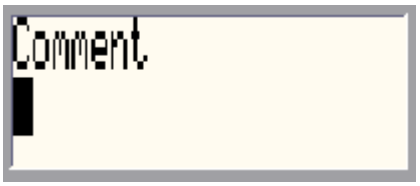
Press the and read the animal's tag. If the tag cannot be read, wait for the read to finish. Press the when it says reading failed. Press the and when it says Leave Empty press .



You can now enter the management/ear no. of the cow Press the



Select the scan result using the keypad and press

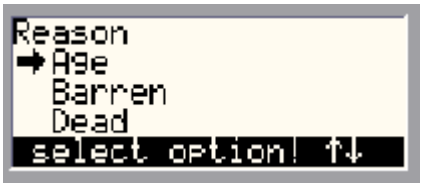


Enter any comment required using the keypad and press

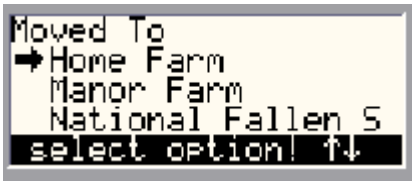
Press to accept the scan recording. Press to cancel the scanning.

Selection Lists required are Reason, Location and Haulier

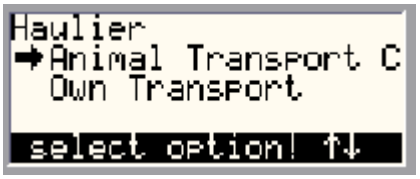
Today's date is entered, change this if necessary and press



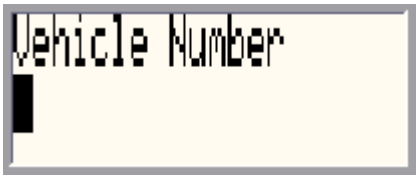
Enter the reason using the keypad and press



Select where moved to using the keypad and press



Select the haulier using the keypad and press

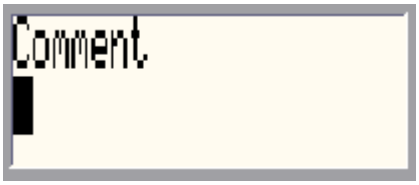


Enter the Vehicle Number using the keypad and press

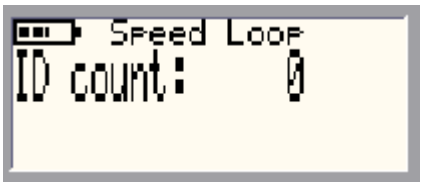
Enter the Animals' weight using the keypad and press

Enter the price using the keypad and press

Enter the grade using the keypad and press



Enter any comment required using the keypad and press



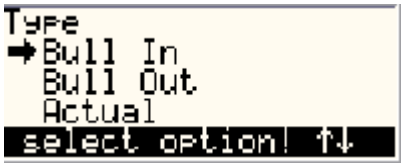
Speed Loop is now active. The Reader is in constant read mode and will record each tag contacted.

To stop/pause the Speed Loop press

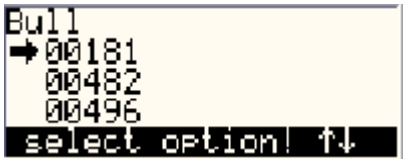
twice.

Selection Lists required are Bulls and Inseminators.

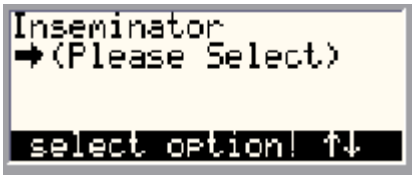
Today's date is entered, change this if necessary and press



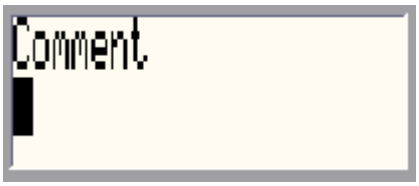
Select the service type using the keypad and press



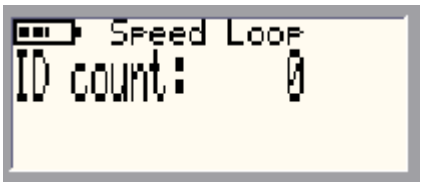
Select the bull using the keypad and press



Select the Inseminator if relevant using the keypad and press



Enter an comment required using the keypad and press



Speed Loop is now active. The Reader is in constant read mode and will record each tag contacted.

To stop/pause the Speed Loop press twice.

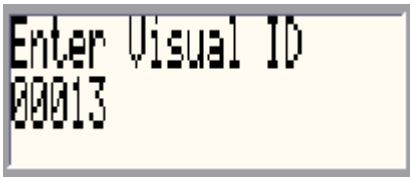
To restart the Speed Loop press

To stop the Speed Loop

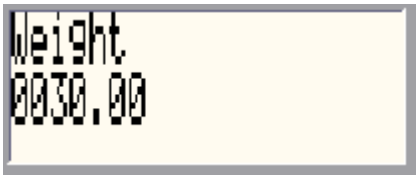
Selection Lists are not required.

Today's date is entered, change this if necessary and press

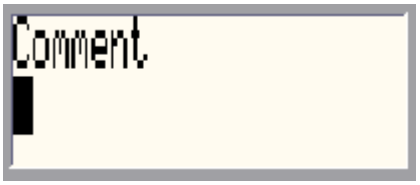
Press the and read the animal's tag. If the tag cannot be read, wait for the read to finish. Press the when it says reading failed. Press the and when it says Leave Empty press .



You can now enter the management/ear no. of the animal Press the



Enter the Animals' weight using the keypad and press



Enter an comment required using the keypad and press

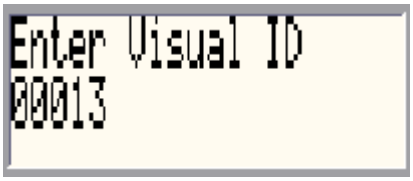
Press to accept the weight recording. Press to cancel the weighing.

3.11 Weight from Scale

Selection Lists are not required. Need to be connected to weighhead.

Today's date is entered, change this if necessary and press

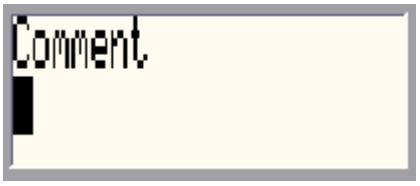
Press the and read the animal's tag. If the tag cannot be read, wait for the read to finish. Press the when it says reading failed. Press the and when it says Leave Empty press .



You can now enter the management/ear no. of the cow Press the

When the weight has settled on the weighhead click . The reader will attempt to read the weight.

If you get a No Read Message -. Press the when it says No Read. Press the and when it says Leave Empty press .

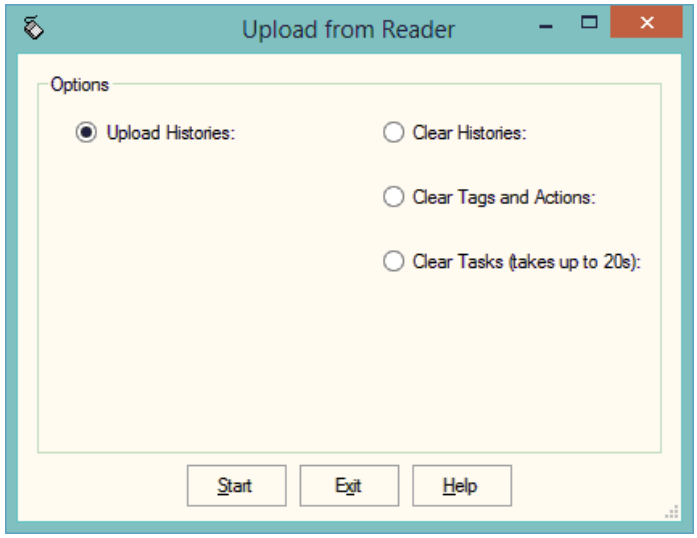


Enter an comment required using the keypad and press

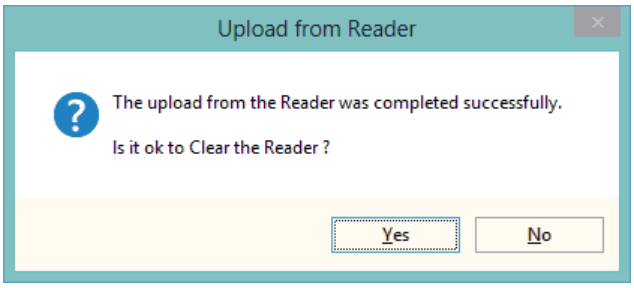
Press to accept the weight recording. Press to cancel the weighing.

3.12 Upload from Reader

This transfers the information recorded on the APR500 back to the PC. As all the necessary detail has been recorded on the APR500 the data is transferred straight in to update the Animal Records without any further input needed.



1 Upload Histories - Click Start to transfer data to records.



If you wish to clear the recorded data from the reader click Yes.

4 Clear Histories – Will clear the recorded data from the reader. Take care that you have transferred all the data you need before doing this.

5 Clear Tags and Actions – Will Clear any animal records and action lists from the reader. Download will need to be used to repopulate the reader.

6 Clear Tasks – Will clear all the task from the reader. This can take a little time, please be patient. Download will need to be used to repopulate the reader.